Efficient

Environmental

Healthy

Economical

High
Performance
Buildings

Case Studies
Database

www.highperformancebuildings.gov/case\_studies

# **Available Case Study Topics:**

## **TOPICS**

- Overview
- Process
- ▶ Finance
- ▶ Land Use
- ▶ Site/Water
- ▶ Energy
- ▶ Materials
- ▶ Indoor Environ.
- ▶ Images
- ▶ Ratings/Awards
- Lessons
- ▶ Learn More

#### **Search Options:**

The HPB Database has several quick search options, including location, owner, project name, building type, and building size. It also has detailed search capabilities, which allow multivariable searches based on the options listed above and others, such as keywords, rural/suburban/urban context, and the amount of available detail.

What is it? Why use it?

The U.S. Department of Energy (DOE) produced the High Performance Buildings (HPB) Database to help improve building performance by showcasing examples of green buildings and providing a standardized format for displaying performance results. DOE also seeks to standardize methods

for reporting building performance by collecting data on topics such as energy, materials, indoor environmental quality, and land use.

The database col-Land Use lects information from site/Water Energy buildings around the Materials world, ranging from Images commercial interiors to large buildings and even Learn More whole campuses and neighborhoods. These may be certified green projects, or projects that have one or more notable environmental features.

Using state-of-the-art Web database technology, the HPB Database can accommodate project information at various levels of detail. An "Overview" level describes key information, including a project's function and most significant green features. More detailed information about the project is separated into a series of modules on process, performance, and results, so that a designer can provide details on all aspects of the project, or only on selected topics. Database users are able to select projects that contain details in a particular area of interest, among many other search options.

Specific, reliable information on high-performance buildings is in great demand. Many organizations are collecting and publishing case studies of exemplary projects. The work required to create those case studies is being repeated unnecessarily, and

> project teams are inundated with repetitive requests for information.

The HPB Database is a centralized clearinghouse in which information about a project can be entered once, and then accessed by everyone. Once in the database. projects can be

published on DOE's Energy Efficiency and Renewable Energy (EERE) Web site and on the Web sites of other partner organizations.

To facilitate this widespread use, the database provides great flexibility. A project can be described in great detail or just with an overview. It can also contain details about one topic area and not about others. In addition, each partner has total control over which projects it chooses to publish, and even which detail pages to include for each project.

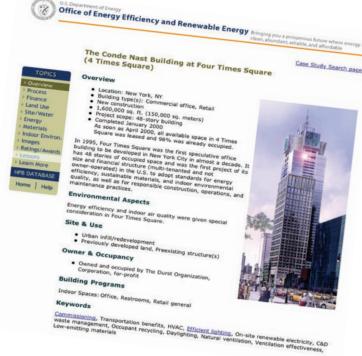
#### Who's using it?

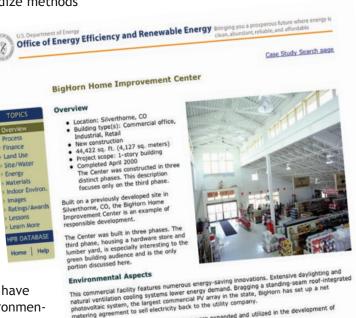
The HPB Database is already being used by:

- Building designers (architects, engineers, interior designers, landscape architects) seeking examples of green projects to inform their designs;
- Students looking for information about green projects for their research;
- Building owners seeking examples to learn from and design professionals to hire.

As the number of projects grows, the Database will become increasingly useful to additional audiences, such as:

- Policy-makers seeking data on trends in green design and technology;
- · Researchers seeking data on the best buildings and how they perform.





netering agreement to sell electricity back to the utility company.

BigHorn's stormwater management plan.

Additionally, existing on-site wetland areas were expanded and utilized in the development of

#### **Partners**

Organizations are invited to collaborate by populating the database and displaying projects from it on their own Web sites.

Contact hpbdata@BuildingGreen.com

for details.

# Log in and submit your project today!

### For more information, visit

www.highperformancebuildings.gov/case\_studies





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